

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P947951

Luminaire Tested: **GALN-SB3A-927-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-927-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6936 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

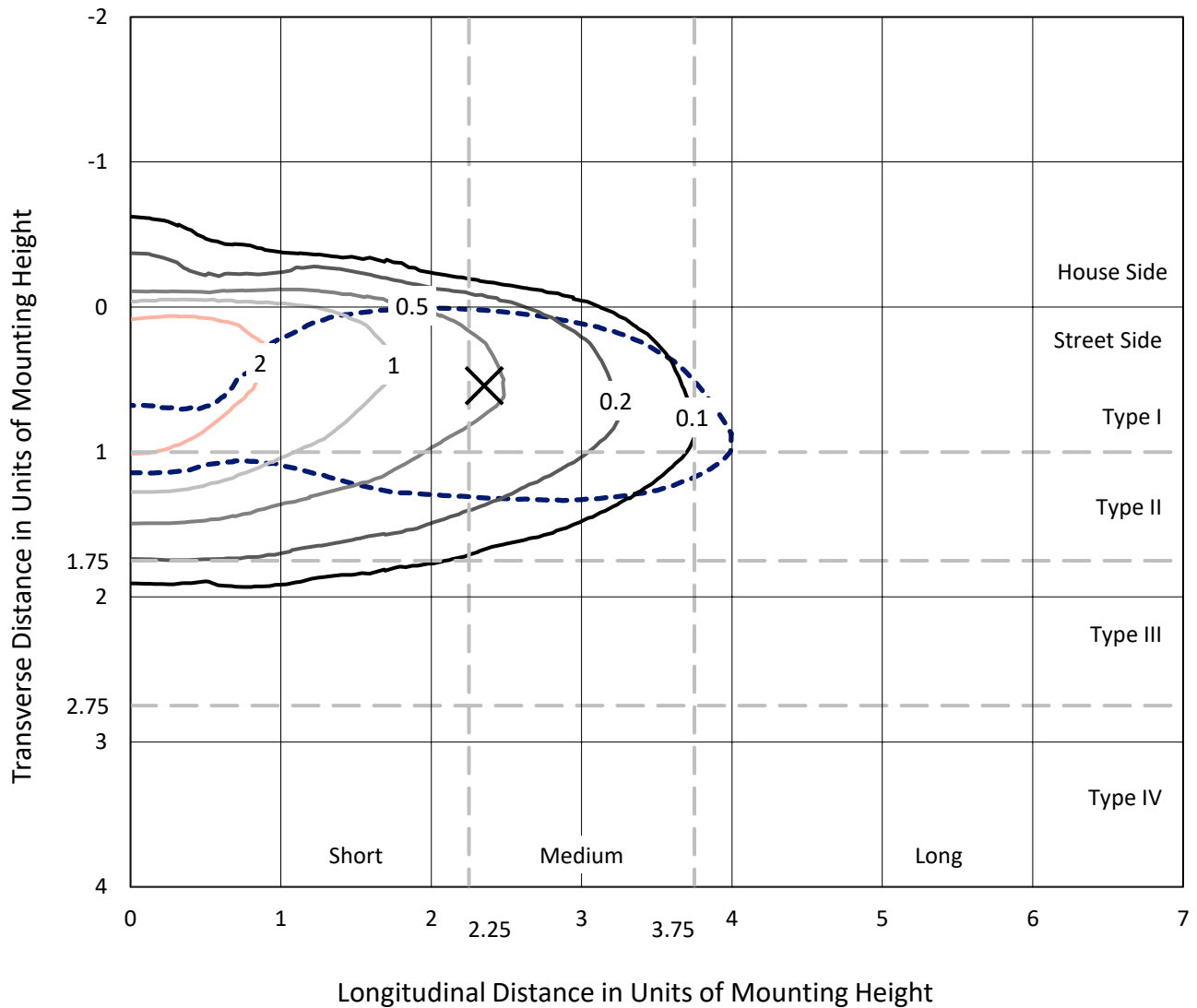
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

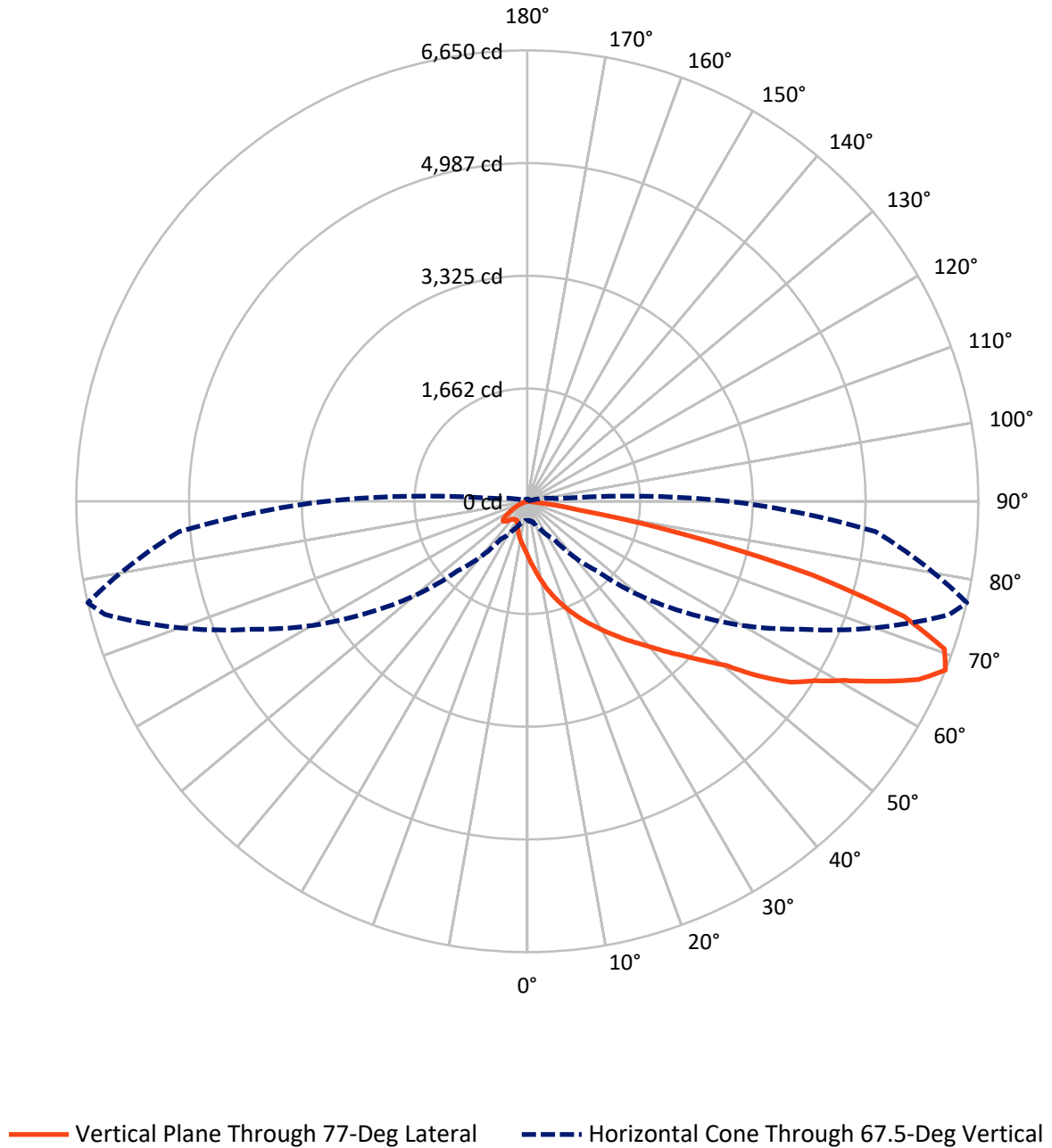
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	510.3	0.0	510.3
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	6425.7	0.0	6425.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	6936.0	0.0	6936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.2
10°-20°	285.9	4.1
20°-30°	551.7	8.0
30°-40°	957.7	13.8
40°-50°	1390.6	20.0
50°-60°	1596.9	23.0
60°-70°	1386.4	20.0
70°-80°	653.0	9.4
80°-90°	32.3	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6936.0	100.0
0°-180°	6936.0	100.0

Coefficient of Utilization



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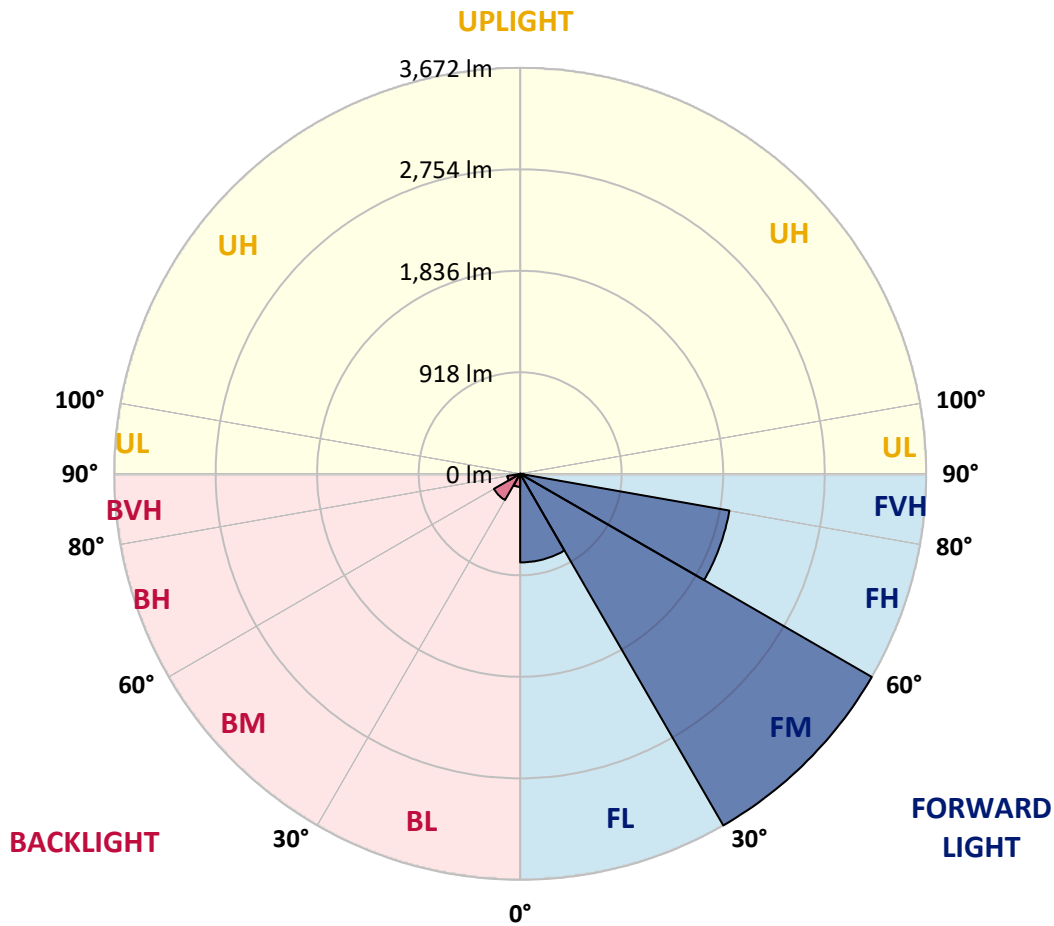
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	801.0	11.5			
FM (30°-60°)	3671.7	52.9			
FH (60°-80°)	1921.2	27.7			G2/5000
FVH (80°-90°)	31.7	0.5			G1/100
BL (0°-30°)	118.1	1.7	B1/500		
BM (30°-60°)	273.4	3.9	B1/1000		
BH (60°-80°)	118.1	1.7	B1/500		G1/500
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	799.8	799.8	799.8	799.8	799.8	799.8	799.8	799.8	799.8	799.8
2.5°	1107.3	1114.2	1104.3	1085.4	1057.0	1038.4	993.2	950.6	903.2	888.1
5°	1349.8	1355.9	1344.7	1324.0	1286.1	1249.9	1190.5	1101.3	1008.7	979.0
7.5°	1529.4	1532.9	1528.6	1509.6	1473.4	1432.5	1366.2	1260.7	1123.3	1090.5
10°	1658.7	1669.9	1668.6	1661.2	1637.1	1604.0	1533.3	1413.1	1251.6	1209.4
12.5°	1744.4	1756.9	1764.2	1780.5	1779.3	1758.1	1696.1	1569.1	1379.6	1330.0
15°	1769.3	1782.7	1810.7	1848.6	1882.2	1893.0	1849.5	1722.0	1520.4	1457.1
17.5°	1755.1	1775.8	1809.4	1869.3	1942.9	1991.6	1986.9	1869.7	1648.3	1576.0
20°	1786.6	1806.4	1832.7	1883.1	1968.8	2057.1	2092.4	2011.0	1775.4	1699.6
22.5°	1960.6	1957.1	1959.7	1967.9	2019.2	2106.6	2179.4	2139.3	1901.1	1823.6
25°	2236.2	2220.7	2194.5	2150.1	2137.2	2179.4	2255.2	2253.0	2033.8	1950.7
27.5°	2552.4	2549.8	2488.2	2381.4	2321.1	2304.7	2340.9	2363.7	2165.2	2076.4
30°	2855.2	2862.0	2778.9	2660.0	2549.4	2485.2	2452.4	2468.8	2298.7	2212.1
32.5°	3118.7	3126.1	3035.6	2896.5	2759.5	2682.0	2613.1	2572.6	2444.3	2349.9
35°	3341.4	3348.7	3244.9	3091.2	2945.2	2875.0	2797.0	2686.3	2590.7	2502.8
37.5°	3540.4	3538.3	3399.1	3244.1	3100.7	3045.1	3004.2	2826.3	2741.4	2656.6
40°	3658.0	3667.0	3548.2	3377.2	3238.1	3197.6	3195.0	2999.9	2915.5	2833.2
42.5°	3692.5	3708.4	3622.2	3481.8	3355.6	3311.7	3379.3	3187.7	3117.9	3037.8
45°	3630.4	3645.9	3606.7	3509.4	3435.7	3407.3	3537.8	3382.3	3334.1	3254.9
47.5°	3449.5	3468.9	3478.4	3457.7	3456.9	3485.7	3680.0	3587.4	3590.8	3509.8
50°	3099.4	3132.1	3219.1	3292.3	3405.6	3547.7	3818.2	3809.6	3880.2	3810.5
52.5°	2462.8	2509.3	2809.1	3009.3	3263.9	3536.1	3970.3	4166.2	4388.0	4286.0
55°	1979.1	1979.1	2222.9	2597.6	2987.4	3459.4	4036.6	4397.9	4733.9	4709.8
57.5°	1613.4	1632.8	1788.3	2119.5	2587.3	3276.8	4077.5	4543.5	5012.6	4994.9
60°	995.8	1037.6	1331.3	1658.2	2132.0	2951.6	4051.7	4690.8	5350.7	5364.9
62.5°	560.8	576.3	707.2	1193.1	1657.8	2514.5	3854.0	4773.1	5783.1	5843.4
65°	387.2	395.0	445.4	742.5	1149.1	2001.9	3467.6	4721.8	6216.4	6338.3
67.5°	281.3	285.1	316.6	453.5	681.8	1451.5	2862.0	4463.4	6446.0	6649.7
70°	216.2	218.8	241.6	298.0	402.7	895.9	2078.6	3949.6	6279.7	6523.1
72.5°	175.7	178.3	196.0	220.5	267.0	529.8	1259.8	3207.5	5545.8	5808.5
75°	148.2	151.6	167.5	183.5	209.3	340.3	590.9	2233.6	4170.5	4342.8
77.5°	82.3	75.8	136.1	152.0	176.6	215.4	276.5	1314.5	2335.7	2383.5
80°	51.3	53.0	108.1	122.3	135.7	108.5	126.6	506.1	809.7	769.2
82.5°	3.0	6.9	83.1	88.3	93.0	46.5	47.8	171.9	195.1	179.2
85°	0.0	0.0	37.9	30.6	32.3	13.4	13.8	40.1	26.3	28.4
87.5°	0.0	0.0	0.0	0.9	0.0	1.3	2.6	3.4	1.3	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
799.8	0°	799.8	799.8	799.8	799.8	799.8	799.8	799.8	799.8	799.8	799.8
840.7	2.5°	810.6	780.4	719.3	659.4	610.7	565.5	533.2	502.6	487.1	486.3
895.0	5°	835.1	771.8	649.5	541.4	454.4	384.6	339.4	307.1	290.7	285.1
961.8	7.5°	869.6	774.4	588.3	438.0	335.5	275.7	249.8	239.5	236.0	232.2
1037.1	10°	913.1	780.4	533.6	352.7	264.5	234.3	224.0	219.7	217.1	214.5
1122.0	12.5°	961.8	786.0	479.4	292.9	232.6	217.1	209.8	204.6	201.1	198.1
1209.0	15°	1009.1	789.5	423.0	251.1	216.2	203.7	196.0	190.4	185.6	182.2
1294.3	17.5°	1056.1	794.2	370.0	226.1	202.9	190.4	182.6	175.7	171.9	168.0
1383.9	20°	1108.2	793.4	320.0	208.5	189.5	177.0	168.8	162.4	158.5	154.2
1478.6	22.5°	1156.4	789.1	276.1	193.4	175.7	163.7	154.6	148.2	144.3	140.8
1575.5	25°	1212.0	785.6	239.5	179.6	162.8	150.7	140.8	134.8	130.5	127.5
1672.9	27.5°	1265.4	780.4	212.8	167.1	150.3	138.7	129.2	122.3	118.4	116.3
1773.2	30°	1318.0	779.1	202.9	155.1	139.1	127.5	118.0	111.6	108.5	107.7
1883.5	32.5°	1381.3	782.6	207.2	150.7	128.8	117.2	108.1	103.4	100.4	100.4
2006.2	35°	1448.9	781.7	213.6	154.6	121.9	106.8	99.9	96.9	93.9	93.9
2142.3	37.5°	1533.7	783.0	218.8	161.1	119.3	98.2	94.3	90.4	88.7	88.7
2291.4	40°	1660.4	825.7	216.2	166.7	118.4	92.2	84.4	83.1	81.8	81.8
2459.8	42.5°	1815.4	918.3	219.7	167.1	118.0	87.9	77.5	80.1	77.1	76.7
2649.7	45°	1985.1	1019.5	241.6	158.1	117.6	85.7	74.1	77.1	72.4	72.4
2869.8	47.5°	2153.5	1119.8	264.0	145.1	116.3	85.3	71.1	69.3	68.1	68.5
3156.7	50°	2385.7	1201.7	272.6	127.5	113.3	84.4	65.5	65.9	65.0	65.9
3561.1	52.5°	2638.5	1218.9	262.3	107.7	104.7	81.8	61.6	63.3	62.9	63.7
3845.8	55°	2796.1	1200.4	216.6	89.6	91.3	71.5	57.7	61.2	61.2	61.2
4124.0	57.5°	2959.0	1121.6	153.8	72.8	75.8	58.6	54.3	59.0	58.6	58.1
4459.1	60°	3076.1	994.1	101.2	59.9	60.3	48.2	50.4	55.6	55.1	53.0
4804.5	62.5°	3163.5	853.2	65.0	50.8	46.1	43.5	46.1	50.4	48.7	43.9
5097.4	65°	3153.6	658.1	50.0	43.5	37.9	37.9	40.1	43.9	38.8	31.0
5153.4	67.5°	2969.7	445.4	41.3	36.6	31.9	31.4	33.2	36.6	33.2	26.3
4866.6	70°	2641.1	291.2	33.2	28.4	25.4	23.3	26.7	31.4	28.0	21.1
4143.0	72.5°	2143.6	177.5	25.0	20.7	18.5	15.1	21.1	25.8	22.4	15.5
2881.0	75°	1386.9	90.4	17.2	13.4	9.9	9.0	15.5	19.4	15.5	9.5
1278.3	77.5°	530.6	37.9	9.5	6.0	5.2	4.3	8.6	11.6	6.5	2.2
247.7	80°	102.1	15.9	4.7	3.0	2.6	1.7	1.3	0.9	0.0	0.0
43.9	82.5°	17.7	5.2	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
8.6	85°	6.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0	87.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
799.8
485.4
284.3
231.3
213.6
197.3
181.8
167.5
153.8
140.4
127.1
116.3
107.2
100.4
93.9
88.7
81.8
76.2
72.4
68.5
65.9
63.7
61.2
58.1
53.0
43.1
30.1
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20.2
14.6
8.2
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